BRUHAT BANGALORE MAHANAGARA PALIKE

APPROVED SCHEDULE - B

Name of work: Emergencey water supply to drilling of Borewells, errection of Pump motor in Devingara at Ward No. 08 Kodigehalli, Kodigehalli sub division.

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of KRIDL	
				In Figures	In Words
1	1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.,etc., complete and as per the directions of the Engineer-in-charge of the work	Each	1900.00	Rupees One Thousand Nine Hundred Only
2	50	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.,etc., complete and as per the directions of the Engineer-in-charge of the work - 0.00 to 50.00 mtrs	Rmtr	287.00	Rupees Two Hundred Eighty Seven Only
3	50	50mtr to 100.00 mtr	Rmtr	379.00	Rupees Three Hundred
4	50	100.00 to 150.00 mtr	Rmtr	422.00	Rupees Four Hundred
5	50	150.00 to 200.00 mtr	Rmtr	464.00	Rupees Four Hundred
6	50	200.00 to 250.00 mtr	Rmtr	513.00	Rupees Five Hundred
7	17.00	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	1325.00	Rupees One Thousand Three Hundred Twenty Five Only

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8	10.00	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.287 is allowed etc., complete and as per the directions of the Engineer-in-charge of the work Above 20 mtrs and Upto 30 mtrs at	Mtrs	43.05	Rupees Forty Three and Five Paise Only
9	10.00	Above 30 mts	Mtrs	86.10	Rupees Eighty Six and
10	8	Providing 175 mm dia MS Collar etc., complete and as per the directions of the Engineer-in-charge of the work	Each	150.00	Rupees One Hundred Fifty Only
11	1	Providing 175 mm dia MS Cap etc., complete and as per the directions of the Engineer-in-charge of the work	Each	100.00	Rupees One Hundred Only
12	1	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage SE Approved Rate etc., complete and as per the directions of the Engineer-in-charge of the work	No.	52000.00	Rupees Fifty Two Thousand Only
13	500.00	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per etc., complete and as per the directions of the Engineer-in-charge of the work	Mtrs	151.00	Rupees One Hundred Fifty One Only
14	1	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	1530.00	Rupees One Thousand Five Hundred Thirty Only
15	1	Supplying and fixing 50mm GM GaTe Vavle etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	1430.00	Rupees One Thousand Four Hundred Thirty Only
16	1	Supplying and fixing 160mm Borewell cap with clampset etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	690.00	Rupees Six Hundred Ninety Only
17	1	Supplying and fixing 50mm GI Union etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	245.00	Rupees Two Hundred Forty Five Only
18	2	Supplying and fixing 50mm GI Elbow etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	120.00	Rupees One Hundred Twenty Only
19	35	Supplying and fixing 50mm GI coller Heavy duty etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	1350.00	Rupees One Thousand Three Hundred Fifty Only

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20	1	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hpetc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	10000.00	Rupees Ten Thousand Only
21	230.00 228.	Providing and fixing of 50mm G.I pipe 'C' class heavy duty foe erection of submersible pumpset etc., complete and as per the directions of the Engineer-in-charge of the work	Mtrs	402.75	Rupees Four Hundred Two and Seventy Five Paise Only
22	1	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	475.00	Rupees Four Hundred Seventy Five Only
23	1	Supplying of TPST with rewireable porcelain channels in SM encloser etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	1350.00	Rupees One Thousand Three Hundred Fifty Only
24	1	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts, etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	275.00	Rupees Two Hundred Seventy Five Only
25	3	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'.etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	350.00	Rupees Three Hundred Fifty Only
26	20	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire. etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	25.00	Rupees Twenty Five Only
27	1	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	350.00	Rupees Three Hundred Fifty Only
28	1	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	1075.00	Rupees One Thousand Seventy Five Only

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29	1	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	1500.00	Rupees One Thousand Five Hundred Only
30	5	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	220.00	Rupees Two Hundred Twenty Only
31	15.00	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. etc., complete and as per the directions of the Engineer-in-charge of the work	Mtrs	150.00	Rupees One Hundred Fifty Only
32	15.00	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required, etc., complete and as per the directions of the Engineer-in-charge of the work	Mtrs	5.00	Rupees Five Only
33	10.00	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete etc., complete and as per the directions of the Engineer-in-charge of the work	Mtrs	50.00	Rupees Fifty Only
34	1	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	240.00	Rupees Two Hundred Forty Only
35	6	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., complete and as per the directions of the Engineer-in-charge of the work	Nos.	219.00	Rupees Two Hundred Nineteen Only
36	1	BESCOM Deposit charges		10000.00	Rupees Ten Thousand
37	0.15	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. etc., complete and as per the directions of the Engineer-in-charge of the work	cum	237.44	Rupees Two Hundred Thirty Seven and Forty Four Paise Only
38	1.80	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Cement concrete road. etc., complete and as per the directions of the Engineer-in-charge of the work	cum	497.14	Rupees Four Hundred Ninety Seven and Fourteen Paise Only
39	3.60	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	cum	198.22	Rupees One Hundred Ninety Eight and Twenty Two Paise Only

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40	40.00	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	117.00	Rupees One Hundred Seventeen Only
41	3.60	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including etc., complete and as per the directions of the Engineer-in-charge of the work	cum	53.00	Rupees Fifty Three Only
42	1.95	Disposing of excavated earth to the final place of disposal with all lead and lift and as directed by the etc., complete and as per the directions of the Engineer-in-charge of the work (Lead up to 15.00 KM)	cum	106.85	Rupees One Hundred Six and Eighty Five Paise Only
43	1	Transportation of pumping machineries etc., complete and as per the directions of the Engineer-in-charge of the work	days	850.00	Rupees Eight Hundred Fifty Only
44	1	Erection of Pumping machineries etc., complete and as per the directions of the Engineer-in-charge of the work	Rmt	850.00	Rupees Eight Hundred Fifty Only

Signature of the Contractor

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